

May 3, 2010 9:51:19 AM



Accept

**Setup Start**

Stop



Start Date: 03/05/2010 **Start Qty:** 6.00

**Cust Item ID:**

Required Date: 13/05/2010 **Req'd Qty:** 6.00



Customer:

Reference:

Approvals:

Process Plan:

Date: 10-5-3

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop

[illegible]

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: D2932-2 PAR #: Fault Category: machining NCR: Yes No DQA: Date: 1006-02
 Resolution: Scrap Disposition: Scrap QA: N/C Closed: Date: 10/06/02

NCR: <u>58266</u>		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			
10/05/26	#100	Found prior to powder coating Haint ^{key way} groove to Por shield hole there was no cut too thin R.C. Section C-C is about 0.040"	CP 10.05.26 per QSI/042	-Scrap + Destroy no Repke QH 9	10.5.26	SS 10/05/26	CP 10.05.26 QSI/042	S 10/05/26
		too thin. origins were wrong R.C. L.O.A. on set-up						

NOTE: Date & initial all entries

Work Order ID 58266



Page 2

May 3, 2010 9:51:19 AM

Item ID: D2932-2

Accept



Setup Start



Revision ID:

Item Name: Saddle RH Out, 206

Stop



Start Date: 03/05/2010 Start Qty: 6.00



Cust Item ID:

Required Date: 13/05/2010 Req'd Qty: 6.00



Customer:

Reference:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run Start



QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

130

QC8- Inspect parts - second check

0.00

SP 10/05/26

9

1



QC

Memo

0.00

Quality Control

140

Chemical Conversion Coat per QSI005 4.1

0.00

HL 10/05/27

9

0



HandFinish

Memo

0.00

Hand Finishing

150

White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum

0.00

1114207

=) HL 10/05/27

9

0



Powdercoat

Memo

0.00

Powder Coating

START TIME: 9:45AM OVEN TEMPERATURE: 320°F
FINISH TIME: 10:15AM

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

[illegible]

Page 3

Accept

**Setup Start**

Stop

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

2. Once the problem is identified, the next step is to define the objectives and goals of the project. This helps to clarify what needs to be achieved and provides a clear direction for the team.

3. The third step is to develop a plan or strategy to address the problem. This involves breaking down the problem into smaller, manageable tasks and determining the resources needed to complete each task.

4. The fourth step is to implement the plan. This involves putting the strategy into action and monitoring progress to ensure that the project is on track.

5. The final step is to evaluate the results of the project. This involves assessing the outcomes against the objectives and goals and identifying any areas for improvement.

Cust Item ID:

Customer:

Reference:

Run Start

Approvals:

Process Plan:

Date:

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Stop

**Insp.
Stamp**

0.00

QC

Memo

0.00

Quality Control

170

Identify as per dwg & Stock Location: *W8*

0.00

[illegible]

Packaging

Memo

0.00

Packaging

180

QC21- Final Inspection - Work Order Release

0.00

[illegible]

QC

Memo

0.00

Quality Control

⑧ BR 10-5-27

10-6-1 925

10/06/01 *[Signature]*

PL 10-6-01
(9)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

-May 3, 2010 9:51:22 AM

Page 1

Work Order ID: 58266



Parent Item: D2932-2



Parent Item Name: Saddle RH Out, 206

Start Date: 03/05/2010

Required Date: 13/05/2010

Comments: IPP: B□00.06.26□New DWG rev (mpp 2069)□EC
IPP Rev:C As per Rev C 07-03-19 JLM □

Start Qty: 6.00

Required Qty: 6.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Qty Issued	Date Issued	Status
D6101-003		Manufactured	No			100	Each	22.0000	1			

Saddle Billet, 7075

Location

Loc Qty

Loc Code

MAT45

22

46410

22

#10 MLD
10/05/24

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order:	58266
Description: 206 Saddle, Outboard, Right side	Part Number:	D2932-2
Inspection Dwg: D2932 Rev. C		Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing D2932 Rev. C and record below:

				Recorded Actual Dimensions				By	Date
Dim	Min	Max	Go/No Go Gauge	1	2	3	4		
A	0.100	0.140		.128	.134	.134	.134		
B	0.100	0.140		.128	.134	.134	.134		
C	0.100	0.140		.123	.125	.125	.125		
D	0.210	0.230		.228	.228	.228	.228		
E	1.245	1.255		1.250	1.250	1.250	1.250		
F	1.245	1.255		1.250	1.250	1.250	1.250		
G	2.495	2.505		2.500	2.500	2.500	2.500		
H	0.510	0.515		.512	.511	.511	.511		
I	1.572	1.582		1.577	1.577	1.577	1.577		
J	2.495	2.505		2.500	2.500	2.500	2.500		
K	0.257	0.262		.260	.259	.259	.259		
L	0.312	0.317		.316	.316	.316	.316		
M	0.235	0.240		.238	.237	.237	.237		
N	0.100	0.140		.113	.118	.118	.118		
O	0.540	0.560		.547	.540	.540	.540		
P	0.490	0.510		.499	.500	.500	.500		
Q	3.715	3.725		3.720	3.721	3.721	3.721		
R	2.470	2.510		2.495	2.498	2.498	2.498		
S	0.240	0.270		.254	.252	.252	.252		
T	0.100	0.180		.134	.130	.130	.130		
U	1.625	1.635		1.630	1.630	1.630	1.630		
V	1.362	1.372		1.367	1.367	1.367	1.367		
W	0.316	0.321		.317	.316	.316	.316		
X	1.125	1.145		1.142	1.142	1.142	1.142		
Y	1.565	1.585		1.579	1.582	1.582	1.582		
Z	0.178	0.198		.188	.188	.188	.188		
AA									
AB									
AC									
AD									
AE									
AF									
AG									
AH									
Accept/Reject									

Measured by: mmf / ml
Date: 10/26/24 10.5.25

Audited by: SP
Date: 10/25/26

Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	02.12.12	Re-format; Added Dim. X-Y, DT8683, DT8686, DT8690	KJ/RF	
C	07.03.21	Revised per drawing revision C	KJ/JLM	

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DART AEROSPACE LTD		Work Order:	58266
Description: 206 Saddle, Outboard, Right side		Part Number:	D2932-2
Inspection Dwg: D2932 Rev. C		Page 1 of 1 2 3	

Inspect dimensions highlighted on inspection sheet drawing D2932 Rev. C and record below:

Dim	Min	Max	Go/No Go Gauge	Recorded Actual Dimensions				By	Date
				5	6	7	8		
A	0.100	0.140		.128	.134	.134	.134		
B	0.100	0.140		.128	.134	.134	.134		
C	0.100	0.140		.123	.125	.125	.125		
D	0.210	0.230		.223	.228	.228	.228		
E	1.245	1.255		1.250	1.250	1.250	1.250		
F	1.245	1.255		1.250	1.250	1.250	1.250		
G	2.495	2.505		2.500	2.500	2.500	2.500		
H	0.510	0.515		.512	.511	.511	.511		
I	1.572	1.582		1.577	1.577	1.577	1.577		
J	2.495	2.505		2.500	2.500	2.500	2.500		
K	0.257	0.262		.260	.259	.259	.259		
L	0.312	0.317		.316	.316	.316	.316		
M	0.235	0.240		.238	.237	.237	.237		
N	0.100	0.140		.113	.118	.118	.118		
O	0.540	0.560		.547	.540	.540	.540		
P	0.490	0.510		.499	.500	.500	.500		
Q	3.715	3.725		3.720	3.721	3.721	3.721		
R	2.470	2.510		2.495	2.498	2.498	2.498		
S	0.240	0.270		.254	.252	.252	.252		
T	0.100	0.180		.134	.130	.130	.130		
U	1.625	1.635		1.630	1.630	1.630	1.630		
V	1.362	1.372		1.367	1.367	1.367	1.367		
W	0.316	0.321		.317	.316	.316	.316		
X	1.125	1.145		1.142	1.142	1.142	1.142		
Y	1.565	1.585		1.579	1.582	1.582	1.582		
Z	0.178	0.198		.188	.188	.188	.188		
AA									
AB									
AC									
AD									
AE									
AF									
AG									
AH									
Accept/Reject									

Measured by:	MMJ / 10/5/25
Date:	10/5/25

Audited by:	RF
Date:	10/5/26

Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	02.12.12	Re-format: Added Dim. X-Y, DT8683, DT8686, DT8690	KJ/RF	
C	07.03.21	Revised per drawing revision C	KJ/JLM	

DART AEROSPACE LTD		Work Order:	58266
Description: 206 Saddle, Outboard, Right side		Part Number:	D2932-2
Inspection Dwg: D2932 Rev. C		Page 1 of 1	

Inspect dimensions highlighted on inspection sheet drawing D2932 Rev. C and record below:

Dim	Min	Max	Go/No Go Gauge	Recorded Actual Dimensions				By	Date
				1	2	3	4		
A	0.100	0.140		.128	.134	.134	.134		
B	0.100	0.140		.128	.134	.134	.134		
C	0.100	0.140		.123	.125	.125	.125		
D	0.210	0.230		.228	.228	.228	.228		
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F	1.245	1.255		1.250	1.250	1.250	1.250		
G	2.495	2.505		2.500	2.500	2.500	2.500		
H	0.510	0.515		.512	.511	.511	.511		
I	1.572	1.582		1.577	1.577	1.577	1.577		
J	2.495	2.505		2.500	2.500	2.500	2.500		
K	0.257	0.262		.260	.259	.259	.259		
L	0.312	0.317		.316	.316	.316	.316		
M	0.235	0.240		.238	.237	.237	.237		
N	0.100	0.140		.113	.118	.118	.118		
O	0.540	0.560		.547	.540	.540	.540		
P	0.490	0.510		.499	.500	.500	.500		
Q	3.715	3.725		3.720	3.721	3.721	3.721		
R	2.470	2.510		2.495	2.498	2.498	2.498		
S	0.240	0.270		.254	.252	.252	.252		
T	0.100	0.180		.134	.130	.130	.130		
U	1.625	1.635		1.630	1.630	1.630	1.630		
V	1.362	1.372		1.367	1.367	1.367	1.367		
W	0.316	0.321		.317	.316	.316	.316		
X	1.125	1.145		1.142	1.142	1.142	1.142		
Y	1.565	1.585		1.579	1.582	1.582	1.582		
Z	0.178	0.198		.180	.188	.188	.188		
AA									
AB									
AC									
AD									
AE									
AF									
AG									
AH									
Accept/Reject									

Measured by:	MMF / MP
Date:	10/26/26 P.O. 5.25

Audited by:	SP
Date:	10/05/26

Rev	Date	Change	Revised by	Approved
A		New Issue	RF	
B	02.12.12	Re-format; Added Dim. X-Y, DT8683, DT8686, DT8690	KJ/RF	
C	07.03.21	Revised per drawing revision C	KJ/JLM	

SHOP COPY
RETURN TO
ENGINEERING

UNCONTROLLED COPY

SUBJECT TO AMENDMENT

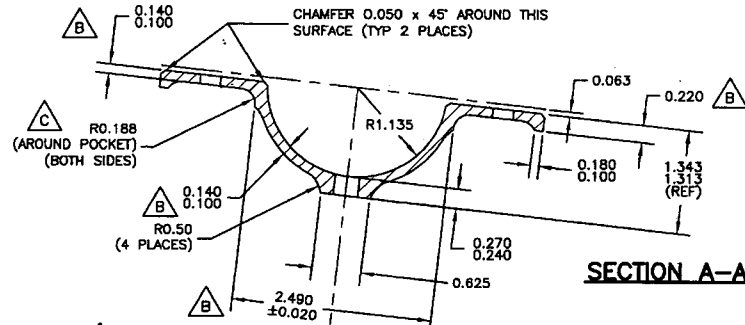
WITHOUT NOTICE

WORK ORDER

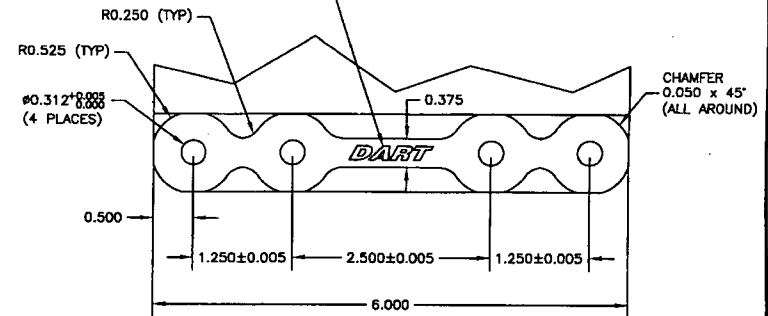
NO. 58264

10-503

ENGRAVE DART LOGO TO MAX DEPTH
OF 0.005 WITH MIN RAD 0.250

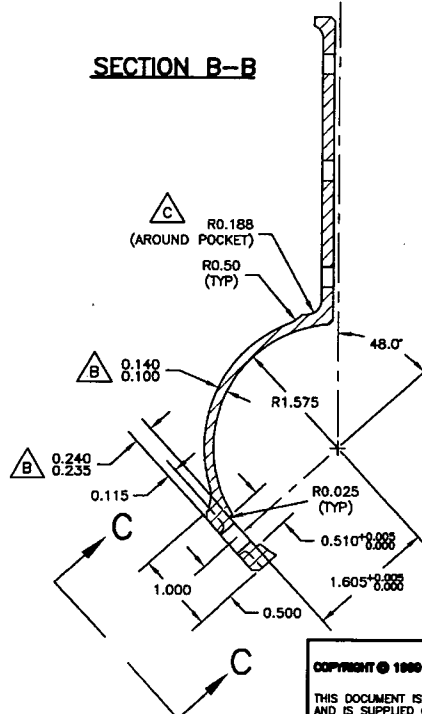


SECTION A-A



VIEW C-C

SECTION B-B



D2932-1 LH SADDLE (SHOWN)

D2932-2 RH SADDLE (OPPOSITE)

NOTES:

- 1) MATERIAL: ALUMINUM 7075-T7351 (QQ-A-250/12)
(MAKE FROM D6101-003 SADDLE BILLET, 7075)
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
POWDER COAT GLOSS WHITE (REF 4.3.5.1) PER DART QSI 005 4.3
- 3) BREAK ALL SHARP EDGES 0.010 TO 0.020
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) ENGRAVE PART AND BATCH NUMBER IN THIS AREA 0.010 TO 0.015 DEEP

C	06.11.09	R0.188 WAS R0.30 TO R0.25
B	00.05.29	CHANGED GEOMETRY AND MATERIAL
A	99.10.29	NEW ISSUE
DESIGN	BY CB	DART DART AEROSPACE USA, INC. BELLEVUE, WA
CHECKED	BY PH	DRAWING NO. D2932
DATE	06.11.09	TITLE SADDLE OUTSIDE
		REV. C SHEET 1 OF 1 SCALE 2:3

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DART AEROSPACE USA, INC.

RELEASED

07-02-12

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries